

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
13 January 2005 (13.01.2005)

PCT

(10) International Publication Number
WO 2005/004346 A1

(51) International Patent Classification⁷: **H04B 1/707**,
H04M 1/725, H04L 27/233

(21) International Application Number:
PCT/BR2004/000107

(22) International Filing Date: 29 June 2004 (29.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PI0302553-5 1 July 2003 (01.07.2003) BR

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(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

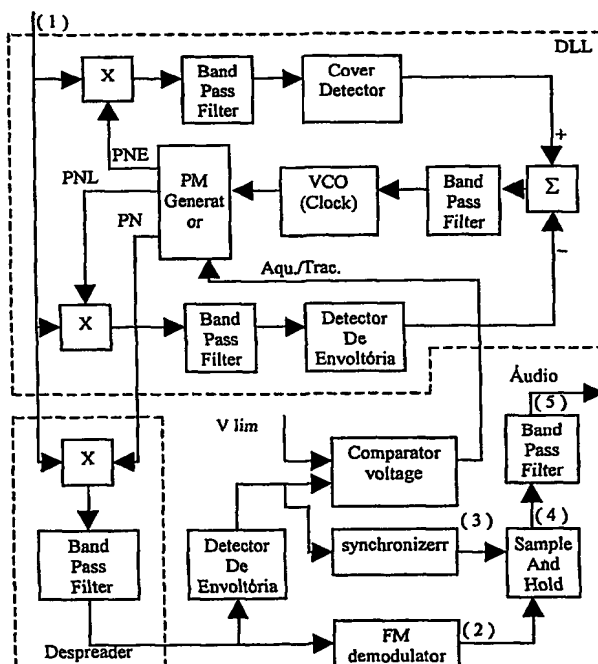
— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report

[Continued on next page]

(54) Title: WIRELESS TELEPHONE WITH SPECTRAL SPREAD IN SAMPLED VOICE



(57) Abstract: A cordless telephone handset and a cordless telephone base station both comprise a transmitter unit and a receiver unit is presented whereby the communication between said handset and said base station is established over a radio link utilizing an analogue based spread spectrum communication technique whereby at the transmitter unit the analogue voice signal is sampled by means of a sample and hold unit, frequency modulated by means of a voltage controlled oscillator (VCO) and the spectrum of said modulated carrier signal is spread by a mixer through a PN sequence, which is produced by a PN sequence generator, thereby producing a spread spectrum frequency modulated carrier signal for transmission over said radio link to the receiver unit whereby at the receiver said spread and frequency modulated carrier signal is received (1) and de-spread by means of a mixer through a PN sequence which is regenerated by means of a delay locked code tracking loop (DLL) and demodulated by means of a frequency demodulator whereby at the receiver unit the analogue voice signal (5) is finally generated by means of a hold circuit and a bans pass filter.

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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